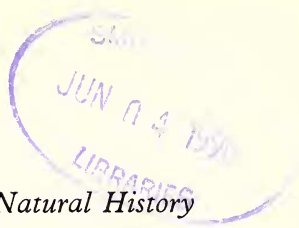


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# NEMOURIA

*Occasional Papers of the Delaware Museum of Natural History*

NUMBER 34

DECEMBER 28, 1989

## JOHANNES THIELE AND HIS CONTRIBUTIONS TO ZOOLOGY. PART 1. BIOGRAPHY AND BIBLIOGRAPHY

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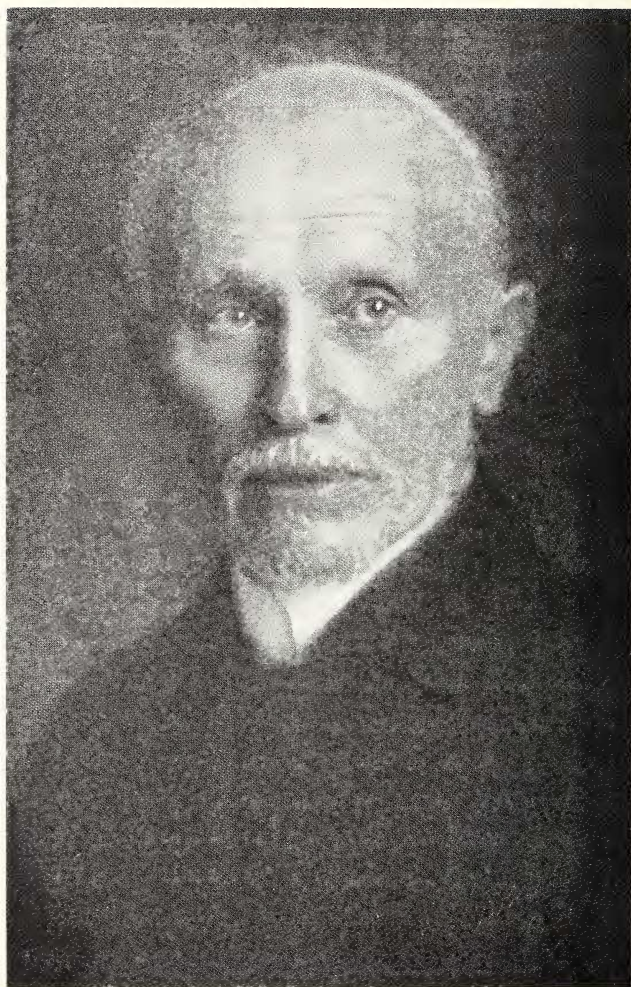
**ABSTRACT.** The first part of an evaluation of Johannes Thiele's (1860-1935) contributions to zoology provides a biographical sketch of his life and a complete listing of his publications with special emphasis on the exact dates of publication. During his professional career, most of which was spent at the Zoological Museum in Berlin, Germany, Thiele produced 155 zoological publications. The majority of his papers (129) dealt with the systematics and anatomy of Mollusca, but he made numerous important contributions to the study of Crustacea (12) and Porifera (8). Six publications treated miscellaneous zoological subjects.

### INTRODUCTION AND BIOGRAPHY

One of the preeminent malacologists of the twentieth century, Johannes Thiele, has been an inspiration to generations of students of the Phylum Mollusca. Probably no other individual researcher has been more influential, and his *Handbuch der systematischen Weichtierkunde* has left an indelible imprint on innumerable investigations in malacology. Not only did this work treat thousands of generic-level names with individual diagnoses, but it placed them in a newly established hierarchy of higher taxa. At the time, this *magnum opus* was the only work which dealt extensively with anatomical characteristics as well as conchological or hard-part features; it replaced Fischer's *Manuel de Conchyliologie* of fifty years before. With a detailed acquaintance of most groups and a profound knowledge of the diverse literature on the systematics and anatomy of mollusks, Thiele was

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<sup>1</sup> Delaware Museum of Natural History	Serial Publication
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Cambridge, Massachusetts 02138, U.S.A.	



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fortunately well prepared for his task. For over half a century, he published critical studies on many diverse molluscan taxa from widely differing geographical regions of the world, prompting Winckworth (1938) to remark: "In no group, in no fauna was his knowledge superficial; steady work prosecuted with that thoroughness in detail that is akin to genius made him the great master of his subject."

That one man could have intellectually embraced the entire diversity of the Phylum Mollusca in such detail seemed so astonishing to us that we resolved to review his career and research contributions and to compile a comprehensive list of his publications and the new molluscan taxa, both generic and specific, which he introduced. The decision to accomplish this task was attended by a curious coincidence: we began searching for remarks and obituaries on Thiele, came across Lamy's *Nécrologie* (1938) on 5 August 1985, and read "Ses dernières années furent consacrées à l'élaboration de son grand ouvrage *Handbuch der systematischen Weichtierkunde* (1931-1935), qu'il put achever quelques mois avant sa mort survenue le 5 août 1935." Thus, on the fiftieth anniversary of Thiele's death, we initiated our investigation of his life and work.

In addition to Lamy's obituary in the *Journal de Conchyliologie* (1938), Winckworth (1938) published one in the *Proceedings of the Malacological Society of London* which also provided a supplementary list to the *Festnummer* in the *Archiv für Molluskenkunde* issued by Rensch (1930) on the occasion of Thiele's seventieth birthday. Rensch's delineation of Thiele's malacological publications numbered 93 items while Winckworth provided some additions which were overlooked and completed the list to include papers published by Thiele from 1930 to his death in 1935. More recently, Kiss (1985) contributed a short vignette in Hungarian on the life of Thiele.

Emil Karl Hermann Johannes Thiele was born on 1 October 1860 in Goldap (Goldapp), then in East Prussia, not far from the Masurian Lakes and now part of Poland. As a young student, he showed an avid interest in animals, particularly insects. His higher education was pursued in the natural sciences, initially at Berlin and later at Heidelberg. Studying under Professor Franz Eilhard Schulze, Director of the Zoological Institute in Berlin and an expert on sponges, he produced his thesis in 1886 on the nature of labial palps in bivalve mollusks. This consisted of a detailed investigation of these structures and their probable function in many families of lamellibranchs. Later in 1886, he spent six months at the Zoological Institute in Naples. Also at about this time he met Miss Fanny Wolle, whom he married in October 1888 and who, along with his daughter and three sons, survived after his death.

In 1891, he accepted an appointment as an assistant in the invertebrate

section of the Dresden Museum where he was mainly occupied in arranging the collection of mollusks. At about this time he commenced working on the unfinished manuscripts of 1879 left by Franz Hermann Troschel, the originator of *Das Gebiss der Schnecken*, and began his interest in the study of Solenogastres which culminated in a number of subsequent studies [he did not consider them to be mollusks and therefore did not treat them in such works as the *Handbuch*]. By July 1895, Thiele had taken up residence at Strassburg's Zoological Institute where he was responsible for studying and arranging the Japanese sponges collected by Ludwig Döderlein during his tenure as Professor of Natural Sciences in Tokyo. In October 1896 he moved on to Göttingen's Zoological Institute where he remained only briefly since by the spring of 1898, he took a position as a Lecturer in the Faculty of Entomology at the Zoological Institute of the Agricultural College in Berlin. Thiele apparently never actually lectured here, because he directly moved on to the Zoological Museum in Berlin in the spring of 1899, where he remained for the rest of his professional career. At first he was a scientific collaborator or helper (*wissenschaftlicher Hilfsarbeiter*), then in 1900 a Research Assistant, and by 1903, Head or Keeper (*Kustos*) of the Crustacea Section. In 1905, after the death of Eduard von Martens, he took charge of the Mollusk Section. Reaching the mandatory age of retirement, Bismarck's *Altersgrenze*, he formally left his position as Professor of Zoology in 1925 but actively continued research until his death in 1935.

As can be seen from the following bibliography, Thiele sustained an enviable outpouring of papers and monographs. To certain groups he paid particular attention, contributing significant items on the Solenogastres and the phylogeny of mollusks (1902b). He wrote a detailed revision of Solenogastres in *Das Tierreich* (1913e), as well as a two-part monograph of chitons (1909d,i).

For Martini-Chemnitz's second edition of the *Conchylien-Cabinet*, he pursued several different groups such as the Cocculinoidea (1909g), Scissurellidae and Fissurellidae (1912a, 1913f, 1916b, 1919), and Limidae (1918, 1920a). Taxonomic monographs on other individual families or superfamilies included his revisions of the Trochacea (1924a), Columbelloidea (1924b), Assimineidae (1927a), and the Hydrobiidae and Melaniidae (1928c). As for geographically circumscribed faunal reports, mention should be made of his studies of the land and freshwater shells of Borneo (with E. von Martens, 1908a), Brazil (1927c), central Africa (1911d), Abyssinia (1933c), the West Indies (1910f), and southwest Australia (1911e). He was an outstanding contributor to several of the great German Imperial expeditions, having studied both the gastropods and bivalves of the German Deep-Sea or *Valdivia* Expedition; the first portion of this work was in



collaboration with Eduard von Martens (1904a). A subsequent long and extensive study was completed on the smaller and more obscure gastropods (1925b), illustrated by Thiele's own drawings. The bivalves were monographed in collaboration with Jaeckel (1931b). Additionally, he produced the reports on most of the mollusks obtained by the German South Polar Expedition (1908c, 1912b, 1920b).

In further preparation for the *Handbuch der systematischen Weichtierkunde* and for his authoritative contributions to the *Handwörterbuch der Naturwissenschaften* and to Kükenthal's *Handbuch der Zoologie*, Thiele compiled a list of molluscan *nomina conservanda*, which, although not put before the International Committee for authorization, was published by Apstein (1915c). According to Winckworth (1938), he also prepared the list of molluscan generic names for inclusion in F.E. Schulze & W. Kükenthal's *Nomenclator animalium generum et subgenerum*.

In this first of a series of papers on Thiele and his contributions, we provide a revised bibliography of his publications on mollusks and other animal groups, adding several which were overlooked by both Rensch (1930) and Winckworth (1938). We were aided in compiling our inventory not only by our colleagues' previous work but also by careful appraisals of entries in the reviews of literature in the *Archiv für Naturgeschichte*, *Bibliographia Zoologica*, *Zentralblatt für Zoologie*, *Zoological Record*, *Zoologischer Jahresbericht*, and *Zoologisches Centralblatt*. We also consulted lists of publications given by Buschmeyer (1938), Scheele and Natalis (1981), Bürk and Jungbluth (1985), and Vosmaer (1928).

## BIBLIOGRAPHY

Thiele's bibliography comprises 155 papers, some of which are parts of works published over a period of time. His journal publications appeared almost exclusively in German serials, the majority in general biological or zoological journals [e.g., *Zeitschrift für wissenschaftliche Zoologie*, *Zoologischer Anzeiger*, *Zoologisches Centralblatt* (all published in Leipzig), and the *Archiv für Naturgeschichte* (Berlin)]. The only exceptions were a contribution on the chitons of the Antarctic Expedition of Dr. Charcot, which appeared (in two versions) in French journals (1906e,f), a contribution to the reports on the *Albatross Expedition* in the *Bulletin of the Museum of Comparative Zoology* (1908b), and a paper on Solenogastres of the Russian Polar Expedition in a St. Petersburg journal (1911f). All but the 1906 French papers were published in German (an English translation of one of his works on the branchial sense organs of Patellidae was subsequently published in *The Annals and Magazine of Natural History*, 1893b).

Thiele's publications are listed below in four sections, as papers on Mollusca, Crustacea, Porifera, and miscellaneous zoological topics. Emphasis was placed on the malacological contributions, i.e., a paper is listed in that section whenever Mollusca are involved, even though it may contain data on other phyla. Examples are Thiele's discussion on whether chaetognaths are to be considered mollusks (1907b) and his publication on the phyletic interrelationships of several unsegmented animal groups (1922).

Throughout the listing a uniform spelling was used for the *Nachrichtsblatt der Deutschen Malakozoologischen Gesellschaft*, which in the original was frequently and inconsistently modified between volumes, numbers and off-prints.

As will be shown in later parts of this study, Thiele introduced a large number of new taxonomic names. Not all of them are clearly designated as such, and taxonomically important statements can be found in odd places, such as indices of book publications (1931c) and footnotes of seemingly unrelated works (1890b). A record for obscurity was set when he proposed replacement names in footnotes of a literature review (1913a) covering one of his earlier papers (1912b). In the following sections, an asterisk (\*) indicates publications containing new species- and genus-group names.

In addition to standard citations (title, book or serial reference, place and date of publication), English translations of the titles and additional information (e.g., subsequent reviews) are provided. Special effort has been made to determine the exact publication dates. In cases of journal publications these were usually readily available. However, several book publications and especially the taxonomically important *Valdivia Expedition* volumes were only dated by year. Since the publishing house Gustav Fischer Verlag, where most of Thiele's books and monographs were published, was unable to provide more exact dates, we are supplying ancillary information (such as the dates of receipt by major libraries) for the earliest date "on which the work is demonstrated to be in existence as a published work" [ICZN Article 21(c)].

**A. Publications on Mollusca**

1886. **Die Mundlappen der Lamellibranchiaten.** Zeitschrift für wissenschaftliche Zoologie, 44: 239-272, pls. 17-18; Leipzig, 1 October 1886 [separately issued as Ph.D. dissertation (Inaugural-Dissertation zur Erlangung der philosophischen Doktorwürde der Philosophischen Fakultät der Friedrich-Wilhelms-Universität Berlin): 34 (+2) pp., pls. 17-18; Leipzig (Wilhelm Engelmann); before 24 June 1886)]. [The labial palps of lamellibranchs.] Reviews: Journal of the Royal Microscopical Society, London, 1887: 200 (English); Zoologischer Jahresbericht (Berlin) für 1886 (1888) (Mollusca): 5, 24 (German).
1887. **Ein neues Sinnesorgan bei Lamellibranchiern. Vorläufige Mitteilung.** Zoologischer Anzeiger, 10(257): 413-414; Leipzig, 1 August 1887. [A new sense organ in lamellibranchs. Preliminary report.] Reviews: Journal of the Royal Microscopical Society, London, 1887: 942 (English); Zoologischer Jahresbericht (Berlin) für 1887 (1888) (Mollusca): 5, 17 (German).
1889. **Die abdominalen Sinnesorgane der Lamellibranchier.** Zeitschrift für wissenschaftliche Zoologie, 48(1): 47-59, pl. 4; Leipzig, 5 April 1889. [The abdominal sense organs of lamellibranchs.] Reviews: Journal of the Royal Microscopical Society, London, 1889: 374-375 (English); Zoologischer Jahresbericht (Berlin) für 1889 (1891) (Mollusca): 8, 27 (German).
- \*1890a. **Über Sinnesorgane der Seitenlinie und das Nervensystem von Mollusken.** Zeitschrift für wissenschaftliche Zoologie, 49(3): 385-432, pls. 16-17; Leipzig, 14 February 1890. [On the sense organs of the lateral line and the nervous system of mollusks.] Review: Zoologischer Jahresbericht (Berlin) für 1890 (1892) (Mollusca): 7, 9 (German).
- 1890b. **Die Stammesverwandtschaft der Mollusken. Ein Beitrag zur Phylogenie der Tiere.** Jenaische Zeitschrift für Naturwissenschaft, 25 (= new series 18) (3-4): 480-543; Jena, 30 May 1890. [The phyletic relationships of the mollusks. A contribution to the phylogeny of animals.] Reviews: Journal of the Royal Microscopical Society, London, 1891(6): 721-722 (English); Zoologischer Jahresbericht (Berlin) für 1891 (1893) (Mollusca): 14, 20 (German).

- 1890c. **Erwiderung.** Zoologischer Anzeiger, 13(346): 559-561; Leipzig, 13 October 1890. [A reply (to Rawitz's criticism).] Review: Zoologischer Jahresbericht (Berlin) für 1890 (1892) (Mollusca): 7, 12 (German).
- 1891a. **Bericht über die wissenschaftlichen Leistungen im Gebiete der Malakologie während des Jahres 1888. I. Bericht über Allgemeines, Physiologie, Anatomie und Entwicklungsgeschichte.** Archiv für Naturgeschichte, 55(2.1) (1889): 378-428; Berlin, October 1891. [Report on the scientific work in the realm of malacology during the year 1888. I. Report on general subjects, physiology, anatomy and embryology.]
- 1891b. **Das Integument der Chitonen.** Biologisches Centralblatt, 11(23): 722-726; Leipzig, 15 December 1891. [The integument of chitons.] Review: Zoologischer Jahresbericht (Berlin) für 1891 (1893) (Mollusca): 7, 20 (German).
- \*1891c. [Fortsetzung von / Continuation of:] Troschel, F. H.: **Das Gebiss der Schnecken zur Begründung einer natürlichen Classification.** Vol. 2(7) [Rhipidoglossa cont., Docoglossa]: 249-334, pls. 25-28; Berlin (Nicolaische Verlags-Buchhandlung), 1891. [The dentition of snails as a foundation for a natural classification.] Reviews: Zoologischer Jahresbericht (Berlin) für 1891 (Mollusca): 7, 37 (German); Nachrichtenblatt der Deutschen Malakozoologischen Gesellschaft, 26(1-2) (1894): 25-27 (German). [continued in 1893e]
- 1892a. **Beiträge zur Kenntnis der Mollusken. I. Über das Epipodium.** Zeitschrift für wissenschaftliche Zoologie, 53(4): 578-590, pl. 23; Leipzig, 5 April 1892. [Contributions to the knowledge of mollusks. I. On the epipodium.] Reviews: Journal of the Royal Microscopical Society, London, 1892(3): 351 (English); Zoologischer Jahresbericht (Berlin) für 1892 (1893) (Mollusca): 8, 13 (German).
- 1892b. **Vortrag über Wurmmollusken.** Sitzungsberichte und Abhandlungen der Naturwissenschaftlichen Gesellschaft Isis in Dresden, 1892 (Jan.-Jun.): 3-4; Dresden, 1892 ("1893" on title page; received by Museum of Comparative Zoology, Cambridge: 29 October 1892). [Discourse on vermiform mollusks.]
- 1892c. **Zur Phylogenie des Byssusapparats der Lamellibranchier.** Verhandlungen der Deutschen Zoologischen Gesellschaft auf der zweiten Jahresversammlung zu Berlin, den 8. bis 10. Juni



1892: 52-57; Leipzig, 1892. [On the phylogeny of the byssal apparatus of lamellibranchs.] Review: Zoologischer Jahresbericht (Berlin), 1892 (Mollusca): 8, 31 (German).

1892d. **Beiträge zur Kenntniss der Mollusken. II. Über die Molluskenschale.** Zeitschrift für wissenschaftliche Zoologie, 55(2): 220-251, pl. 11, 1 text-fig.; Leipzig, 20 December 1892. [Contributions to the knowledge of mollusks. II. On the molluscan shell.] Reviews: Journal of the Royal Microscopical Society, London, 1893(2): 164 (English); Zoologischer Jahresbericht (Berlin) für 1892 (1893) (Mollusca): 8, 13 (German).

1893a. **Über die Kiemensinnesorgane der Patelliden.** Zoologischer Anzeiger, 16(412): 49-50; Leipzig, 13 February 1893. [On the branchial sense-organs of the Patellidae.] Reviews: Journal of the Royal Microscopical Society, London, 1893(5): 618 (English); Zoologischer Jahresbericht (Berlin) für 1893 (1894) (Mollusca): 7, 36 (German). [Republished in English, 1893b]

1893b. **On the branchial sense-organs of the Patellidae.** The Annals and Magazine of Natural History, (6)11(65): 413-414; London, May 1893. [English translation of 1893a]

1893c. **Ueber das Kriechen der Schnecken.** Sitzungsberichte und Abhandlungen der Naturwissenschaftlichen Gesellschaft Isis in Dresden, 1892 (Jul.- Dec.): 72-75; Dresden, 1893 (received by Museum of Comparative Zoology, Cambridge: 8 June 1893). [On the crawling of snails.] Review: Zoologischer Jahresbericht (Berlin) für 1893 (1894) (Mollusca): 7, 29 (German).

1893d. **Bericht über die wissenschaftlichen Leistungen im Gebiete der Malakologie während des Jahres 1889. I. Bericht über Allgemeines, Physiologie, Anatomie u. Entwicklung.** Archiv für Naturgeschichte, 56(2.1) (1890): 381-424; Berlin, June 1893. [Report on the scientific work in the realm of malacology during the year 1889. I. Report on general subjects, physiology, anatomy and embryology.]

\*1893e. [Fortsetzung von / Continuation of:] Troschel, F. H.: **Das Gebiss der Sackschnecken zur Begründung einer natürlichen Classification.** Vol. 2(8) [Docoglossa cont., Lepidoglossa]: 336-409, pls. 29-32; Berlin (Nicolaische Verlags-Buchhandlung), 1893. [The dentition of snails as a foundation for a natural classification.] Reviews: Zoologischer Jahresbericht (Berlin) für 1893 (1894)

(Mollusca): 7, 36 (German); *Nachrichtsblatt der Deutschen Malakozoologischen Gesellschaft*, 26(1-2)(1894): 25-27 (German). [continued from 1891c]

\*1894a. **Ueber die Zungen einiger Landdeckelschnecken.** *Nachrichtsblatt der Deutschen Malakozoologischen Gesellschaft*, 26(1-2): 23-25; Frankfurt am Main, January 1894. [On the radulae of a few operculate land snails.]

\*1894b. **Beiträge zur vergleichenden Anatomie der Amphineuren. I. Über einige Neapeler Solenogastres.** *Zeitschrift für wissenschaftliche Zoologie*, 58(2): 222-302, pls. 12-16, 3 text-figs.; Leipzig, 7 August 1894. [Contributions to the comparative anatomy of amphineurans. I. On a few Solenogastres from Naples.] Reviews: *Journal of the Royal Microscopical Society*, London for 1895: 45 (English); *Zoologischer Jahresbericht (Berlin) für 1894 (1895)* (Mollusca): 7, 13 (German).

1895a. **Zur Phylogenie der Gastropoden.** *Biologisches Centralblatt*, 15(6): 220-236; Leipzig, 15 March 1895. [On the phylogeny of gastropods.]

\*1895b. ***Hemitrichia guimarasensis* n. sp.** *Nachrichtsblatt der Deutschen Malakozoologischen Gesellschaft*, 27(7-8): 131-132; Frankfurt am Main, August 1895.

1895c. **Bericht über die wissenschaftlichen Leistungen im Gebiete der Malakologie während des Jahres 1890. I. Bericht über Allgemeines, Physiologie, Anatomie und Entwicklung.** *Archiv für Naturgeschichte*, 57(2.1) (1891): 300-324; Berlin, October 1895. [Report on the scientific work in the realm of malacology during the year 1890. I. Report on general subjects, physiology, anatomy and embryology.]

1895d. **Ueber die Verwandtschaftsbeziehungen der Amphineuren.** *Biologisches Centralblatt*, 15(24): 859-869; Leipzig, 15 December 1895. [On the phyletic relationships of amphineurans.] Review: *Zoologischer Jahresbericht (Berlin) für 1895 (1896)* (Mollusca): 5, 12 (German).

1897a. **Beiträge zur Kenntnis der Mollusken. III. Über Hautdrüsen und ihre Derivate.** *Zeitschrift für wissenschaftliche Zoologie*, 62(4): 632-670, pls. 31-32; Leipzig, 11 May 1897. [Contributions to the knowledge of the mollusks. III. On the skin glands and their derivatives.] Reviews: *Journal of the Royal Microscopical*

Society, London, 1897: 368 (English); Zoologischer Jahresbericht (Berlin) für 1897 (1898) (Mollusca): 5, 10 (German).

\*1897b. **Zwei australische Solenogastres.** Zoologischer Anzeiger, 20(542): 398-400; Leipzig, 11 October 1897. [Two Australian Solenogastres.] Reviews: Journal of the Royal Microscopical Society, London, 1897: 527 (English); Zoologischer Jahresbericht (Berlin) für 1897 (1898) (Mollusca): 5, 16 (German).

\*1900a. ***Proneomenia thulensis* nov. spec.** Fauna Arctica. Eine Zusammenstellung der arktischen Tierformen, mit besonderer Berücksichtigung des Spitzbergen-Gebietes auf Grund der Ergebnisse der Deutschen Expedition in das Nördliche Eismeer im Jahre 1898, 1(1): 109-116, pl. 5; Jena, January 1900. Review: Zoologischer Jahresbericht (Berlin) für 1900 (1901) (Mollusca): 6, 13 (German).

\*1900b. **Verzeichnis der von Herrn Dr. A. Voeltzkow gesammelten marinen und litoralen Mollusken.** Abhandlungen herausgegeben von der Senckenbergischen Naturforschenden Gesellschaft, 26(2) [Wissenschaftliche Ergebnisse der Reisen in Madagaskar und Ostafrika in den Jahren 1889-95 von Dr. A. Voeltzkow, 2(2)]: 241-252, 6 text-figs.; Frankfurt am Main, 1900. [List of marine and littoral mollusks collected by Dr. A. Voeltzkow.]

1901a. **Ueber die Ausbildung der Körperform der Gastropoden.** Archiv für Naturgeschichte, 67, Beiheft (Festschrift für Eduard von Martens): 9-22, 4 textfigs; Berlin, 18 April 1901. [On the formation of body shape of gastropods.] Reviews: Journal of the Royal Microscopical Society, London, 1901(5): 520-521 (English); Zoologischer Jahresbericht (Berlin) für 1901 (1902) (Mollusca): 6, 36 (German).

1901b. **Ueber die phyletische Entstehung und die Formentwicklung der Molluskenschale.** Biologisches Centralblatt, 21(9): 274-277; Leipzig, 1 May 1901. [On the phyletic origin and the development of form of the molluscan shell.] Review: Zoologischer Jahresbericht (Berlin) für 1901 (1902): 6, 7 (German).

1901c. **Bemerkungen zur Systematik der Landdeckelschnecken.** Nachrichtenblatt der Deutschen Malakozoologischen Gesellschaft, 33(5-6): 89-93; Frankfurt am Main, 11 June 1901. [Remarks on the systematics of operculate land snails.]

- 1902a. **Zur Cölomfrage.** Zoologischer Anzeiger, 25(661): 82-84; Leipzig, 13 January 1902. [On the problem of the coelom.] Review: Zoologischer Jahresbericht (Berlin) für 1902 (1903) (Mollusca): 6, 14 (German).
- \*1902b. **Die systematische Stellung der Solenogastren und die Phylogenie der Mollusken.** Zeitschrift für wissenschaftliche Zoologie, 72(2-3): 249-466, pls. 18-27, 21 text-figs.; Leipzig, 16 September 1902. [The systematic position of the solenogasters and the phylogeny of mollusks.] Review: Zoologischer Jahresbericht (Berlin) für 1902 (1903) (Mollusca): 6, 8 (German).
- \*1902c. ***Proneomenia valdiviae* n. sp.** Wissenschaftliche Ergebnisse der deutschen Tiefsee-Expedition auf dem Dampfer "Valdivia" 1898-1899, 3(5): 167-174, pl. 23; Jena (Gustav Fischer), 1902 (March or later, p. 174 states "im März"). Review: Zoologischer Jahresbericht (Berlin) für 1903 (1904) (Mollusca): 5, 12 (German).
- \*1903. ***Proneomenia amboinensis* n. sp.** [In:] Semon, R.: Zoologische Forschungsreisen in Australien und dem Malayischen Archipel, 5(VI). Denkschriften der medicinisch-naturwissenschaftlichen Gesellschaft zu Jena, 8: 735-737, pl. 66, figs. 5-9; Jena, 1903. Review: Zoologischer Jahresbericht (Berlin) für 1903 (1904) (Mollusca): 5, 11 (German).
- \*1904a. [Artbeschreibungen in: Martens, E. von:] **Systematisch-geographischer Teil.** [In:] Martens, E. von & J. Thiele: Die beschalten Gastropoden der deutschen Tiefsee-Expedition 1898-1899. Wissenschaftliche Ergebnisse der deutschen Tiefsee-Expedition auf dem Dampfer "Valdivia" 1898-1899, 7(A): 1-146, pls. 1-5, 1 text-fig.; Jena, 1903 [title page states "1903", but "According to J. Thiele (letter, April 14, 1905), this work was published during the second half of January, 1904; he received his copy on January 30, 1904" (Weaver & DuPont, 1970: 353)]. [(Descriptions of species in: Martens, E. von:) Systematic and geographic part . . . The shelled gastropods of the German Deep-Sea Expedition of 1898-1899.] Review: Zoologischer Jahresbericht (Berlin) für 1903 (1904) (Mollusca): 5, 24 (German).



- 1904b. **Anatomisch-systematische Untersuchungen einiger Gastropoden.** [In:] Martens, E. von & J. Thiele: Die beschalten Gastropoden der deutschen Tiefsee-Expedition 1898-1899. Wissenschaftliche Ergebnisse der deutschen Tiefsee-Expedition auf dem Dampfer "Valdivia" 1898-1899, 7(B): 147-179 [1-33], pls. 6-9 [1-4]; Jena, 1904 (title page states "1903"; see above). [Anatomical and systematic investigations of a few gastropods. The shelled gastropods of the German Deep-Sea Expedition of 1898-1899.]
- \*1906a. **Bemerkung über die Gattung *Photinula*.** Nachrichtenblatt der Deutschen Malakozoologischen Gesellschaft, 38(1): 12-15; Frankfurt am Main, 25 January 1906. [Remark on genus *Photinula*.]
- \*1906b. **Zwei neue *Macrodonates*-Arten.** Nachrichtenblatt der Deutschen Malakozoologischen Gesellschaft, 38(2): 69-71, 2 text-figs.; Frankfurt am Main, 2 April 1906. [Two new species of *Macrodonates*.]
- \*1906c. ***Archaeomenia prisca* n. g., n. sp.** Wissenschaftliche Ergebnisse der deutschen Tiefsee-Expedition auf dem Dampfer "Valdivia" 1898-1899, 9(2): 315-324 [1-10], pl. 28; Jena (after 14 March 1906, date of manuscript submission). Review: Zoologischer Jahresbericht (Berlin) für 1906 (1907) (Mollusca): 6, 7 (German).
- \*1906d. **Ueber die Chitonen der deutschen Tiefsee-Expedition.** Wissenschaftliche Ergebnisse der deutschen Tiefsee-Expedition auf dem Dampfer "Valdivia" 1898-1899, 9(2): 325-336 [11-22], pl. 29; Jena (after 31 May 1906, date of manuscript submission). [On the chitons of the German Deep-Sea Expedition.] Review: Zoologischer Jahresbericht (Berlin) für 1906 (1907) (Mollusca): 6, 8 (German).
- \*1906e. **Amphineures.** 3 pp. [In:] Expédition Antarctique Française (1903-1905) commandée par le Dr. Jean Charcot. Sciences naturelles: documents scientifiques. Paris (Masson & Cie), December 1906. [Text identical with 1906f]
- 1906f. **Note sur les Chitons de l'Expédition Antarctique du Dr. Charcot.** Bulletin Muséum d'Histoire naturelle Paris, 12 (1906 no. 7): 549-550, 1906. [Note on the chitons of the Antarctic Expedition of Dr. Charcot.] [Text identical with 1906e]

- 1907a. **Polyplacophora und Solenogastres für 1894-1905.** Archiv für Naturgeschichte, 68(2.3)(1902): 1-16; Berlin, September 1907. [(Literature on) Polyplacophora and Solenogastres from 1894 to 1905.]
- 1907b. **Sind die Chaetognathen als Mollusken aufzufassen?** Zoologischer Anzeiger, 32(14): 428-430; Leipzig, 10 December 1907. [Are chaetognaths to be considered as mollusks?] Review: Zoologischer Jahresbericht (Berlin) für 1907 (Vermees): 15, 54 (German).
- \*1908a. [Herausgabe von und Artbeschreibungen in:] Martens, E. von: **Beschreibung einiger im östlichen Borneo von Dr. Martin Schmidt gesammelten Land- and Süßwasser-Conchylien.** Mitteilungen aus dem Zoologischen Museum in Berlin, 4(1): 249-291, pls. 5-6, July 1908. [(Editing of and species descriptions in:) Martens, E. von: Description of a few land and freshwater shells collected in eastern Borneo by Dr. Martin Schmidt.]
- 1908b. **Ueber die Anatomie und systematische Stellung von *Bathysciadium*, *Lepetella*, and *Addisonia*.** Reports on the scientific results of the Expedition to the Eastern Tropical Pacific, in charge of Alexander Agassiz, by the U.S. Commission Steamer "Albatross," from October, 1904, to March, 1905, Lieut. Commander L. M. Garrett, U.S.N., commanding, XV. Bulletin of the Museum of Comparative Zoology at Harvard College, 52(5): 81-89, pls. 1-2; Cambridge, October 1908. [On the anatomy and systematic position of *Bathysciadium*, *Lepetella*, and *Addisonia*.] Review: Zoologischer Jahresbericht (Berlin) für 1908 (1909) (Mollusca): 6, 12 (German).
- \*1908c. **Die antarktischen und subantarktischen Chitonen.** Deutsche Südpolar-Expedition 1901-1903, 10 (Zool., 2)(1): 7-23, pl. 1; Berlin (Georg Reimer), October 1908. [The antarctic and subantarctic chitons.]
- 1909a. **Einige Bemerkungen über deutsche Süßwassermollusken und ihre Namen.** Nachrichtenblatt der Deutschen Malakozoologischen Gesellschaft, 41(1): 25-34, pl. 1; Frankfurt am Main, 20 January 1909. [A few remarks on German freshwater mollusks and their names.]
- 1909b. **Ueber einige neuseeländische Chitonen.** Nachrichtenblatt der Deutschen Malakozoologischen Gesellschaft, 41(3): 131-132;

Frankfurt am Main, 20 July 1909. [On a few chitons from New Zealand.]

- 1909c. **Zum Namen Unio.** [In:] Kobelt, W. (ed.): Beiträge zur Kenntniss der mitteleuropäischen Najadeen, 3. Beilage zum Nachrichtenblatt der Deutschen Malakozoologischen Gesellschaft, **41**: 48; Frankfurt am Main, July 1909. [On the (generic) name *Unio* . . . Contributions to the knowledge of Central European naiades.]
- \*1909d. **Revision des Systems der Chitonen. I. Teil.** Zoologica. Original-Abhandlungen aus dem Gesamtgebiete der Zoologie, **22**(56/1): 1-70, pls. 1-6, 5 text-figs.; Stuttgart, 1909 (received by the Academy of Natural Sciences of Philadelphia: 19 July 1909). [Revision of the systematics of chitons. Part 1.]
- 1909e. **Solenogastres für 1906.** Archiv für Naturgeschichte, **73**(2.3) (1907): 1 p.; Berlin, September 1909. [(Literature on) Solenogastres in 1906.]
- 1909f. **Polyplacophora für 1906.** Archiv für Naturgeschichte, **73**(2.3) (1907): 2 pp.; Berlin, September 1909. [(Literature on) Polyplacophora in 1906.]
- \*1909g. **Cocculinoidea und die Gattungen *Phenacolepas* und *Titiscania*.** Systematisches Conchylien-Cabinet von Martini und Chemnitz (Küster, H.C. & W. Kobelt, eds.), **2/11a**(539): 1-48, pls. 1-6; Nürnberg (Bauer & Raspe), 1909 (dates imprinted on individual sheets: 10 September-13 October). [The Cocculinoidea and the genera *Phenacolepas* and *Titiscania*.]
- 1909h. **Über einige "Realiiiden".** Archiv für Naturgeschichte, **75**(1.3): 387-390, 4 text-figs.; Berlin, December 1909. [On several "realiids".]
- \*1909i. **Revision des Systems der Chitonen. II. Teil.** Zoologica. Original-Abhandlungen aus dem Gesamtgebiete der Zoologie, **22**(56/2): 71-132, pls. 7-10; Stuttgart, 1909 ("1910" on title page; listings on subsequent journal covers show it as of 1909). [Revision of the systematics of chitons. Part 2.]
- 1909j. **Mollusca, Weichtiere.** [In:] Brauer, A. (ed.): Die Süßwasserfauna Deutschlands. Eine Exkursionsfauna, **19**. Pp. 1-46 (+ register: 195-199), 112 text-figs.; Jena (Gustav Fischer), 1909; reprinted by Verlag von J. Cramer, Weinheim, 1961. [Mollusca, . . . The freshwater fauna of Germany. A field guide.]

- 1910a. **Polyplacophora für 1907.** Archiv für Naturgeschichte, 74(2.3) (1908): 1 p.; Berlin, January 1910. [(Literature on) Polyplacophora in 1907.]
- 1910b. **Über die Auffassung der Leibeshöhle von Mollusken und Anneliden.** Zoologischer Anzeiger, 35(22): 682-695, 2 text-figs.; Leipzig, 24 May 1910. [On the concept of the body cavities of mollusks and annelids.] Review: Zoologischer Jahresbericht (Berlin) für 1910 (1911) (Mollusca): 6, 7 (German).
- \*1910c. **Eine arabische *Ennea* und Bemerkungen über andere Arten.** Sitzungsberichte der Gesellschaft Naturforschender Freunde zu Berlin, 6: 280-284, pl. 10; Berlin, June 1910. [An Arabic *Ennea* and remarks on other species.]
- 1910d. **Solenogastres für 1908.** Archiv für Naturgeschichte, 75(2.3) (1909): 1 p.; Berlin, September 1910. [(Literature on) Solenogastres in 1908.]
- 1910e. **Polyplacophora für 1908.** Archiv für Naturgeschichte, 75(2.3) (1909): 1 p.; Berlin, September 1910. [(Literature on) Polyplacophora in 1908.]
- \*1910f. **Molluskenfauna Westindiens.** Zoologische Jahrbücher, Supplement 11: 109-132, pl. 9; Jena, 21 November 1910. [Molluscan fauna of the West Indies.]
- \*1910g. **Polyplacophora, Gastropoda marina, Bivalvia.** [In:] Schultze, L.: Zoologische und anthropologische Ergebnisse einer Forschungsreise im westlichen und zentralen Südafrika ausgeführt in den Jahren 1903-1905 mit Unterstützung der Kgl. Preussischen Akademie der Wissenschaften zu Berlin, 4 (Systematik und Tiergeographie) (1). Denkschriften der medicinisch-naturwissenschaftlichen Gesellschaft zu Jena, 16: 269-270, 1 text-fig.; Jena (Gustav Fischer), 1910.
- 1910h. **Über die Anatomie von *Hydrocena cattaroensis* Pf.** Abhandlungen der Senckenbergischen Naturforschenden Gesellschaft, 32 (Festschrift Kobelt): 349-358, pl. 25, 2 text-figs.; Frankfurt am Main, 1910. [On the anatomy of *Hydrocena cattaroensis* Pf.] Review: Zoologischer Jahresbericht (Berlin) für 1910 (1911) (Mollusca): 6, 14 (German).
- 1911a. [***Heligerone* Strand**]. Nachrichtenblatt der Deutschen Malakozoologischen Gesellschaft, 43(2): 104; Frankfurt am Main, 4 May 1911.



- 1911b. **Die Solenogastres der Russischen Polar-Expedition 1900-1903.** Mémoires de l'Académie Impériale des Sciences de St.-Petersbourg, (8)29(5); Résultats scientifiques de l'Expédition Polaire Russe en 1900-1903 sous la direction du Baron E. Toll, Sect. E, Zool., 2(5): 1-4, 1 pl.; St. Petersburg, July 1911. [The Solenogastres of the Russian Polar Expedition of 1900-1903.]
- 1911c. **Polyplacophora für 1909.** Archiv für Naturgeschichte, 76(6/1): 111-116; Berlin, November 1911. [(Literature on) Polyplacophora in 1909.]
- \*1911d. **Mollusken der Deutschen Zentralafrika-Expedition.** Wissenschaftliche Ergebnisse der deutschen Zentral-Afrika-Expedition 1907-1908 unter Führung Adolf Friedrichs, Herzog zu Mecklenburg, 3 (Zool.): 175-214, pls. 4-6; Leipzig (Klinkhardt & Biermann), 1911. [Mollusks of the German Central African Expedition.]
- \*1911e. **Polyplacophora.** [In:] Michaelsen, W. & R. Hartmeyer (eds.): Die Fauna Südwest-Australiens. Ergebnisse der Hamburger südwest-australischen Forschungsreise 1905, 3(2): 397-406, 1 pl.; Jena (Gustav Fischer), 1911. [Polyplacophora . . . The fauna of southwest Australia.]
- \*1912a. **Familia Scissurellidae.** Systematisches Conchylien-Cabinet von Martini und Chemnitz (Küster, H.C. & W. Kobelt, eds.), 2/4a(558): 1-36, pls. 1-4; Nürnberg (Bauer & Raspe), 1912 (dates imprinted on individual sheets: 5 April-23 May).
- \*1912b. **Die antarktischen Schnecken und Muscheln.** Deutsche Südpolar-Expedition 1901-1903, 13 (Zool., 5) (2): 183-285, pls. 11-19, 18 text-figs.; Berlin (Georg Reimer), August 1912. [The antarctic snails and bivalves.]
- 1912c. **Amphineura.** Handwörterbuch der Naturwissenschaften, 1: 347-354, 12 text-figs.; Jena (Gustav Fischer), 1912.
- 1912d. **Lamellibranchiata.** Handwörterbuch der Naturwissenschaften, 6: 6-21, 19 text-figs.; Jena (Gustav Fischer), 1912.
- 1912e. **Mollusca.** Handwörterbuch der Naturwissenschaften, 6: 1045-1049, 4 text-figs.; Jena (Gustav Fischer), 1912.

- \*1913a. [Literature review of 1912b:] **Thiele, J., Die antarktischen Schnecken und Muscheln.** Zentralblatt für Zoologie, allgemeine und experimentelle Biologie, 2(3): 86-87; Leipzig and Berlin, 10 January 1913.
- 1913b. **Dr. Naef und das "Cölom" der Mollusken.** Zoologischer Anzeiger, 41(6): 251-252; Leipzig, 31 January 1913. [Dr. Naef and the "coelom" of mollusks.]
- \*1913c. **Ein neuer Solenogaster von Spitzbergen.** Sitzungsberichte der Gesellschaft Naturforschender Freunde zu Berlin, 1913(2): 160-162, 2 text-figs.; Berlin, February 1913. [A new solenogaster from Spitzbergen.]
- \*1913d. **Antarktische Solenogastren.** Deutsche Südpolar-Expedition 1901-1903, 14 (Zool., 6)(1): 35-65, pls. 4-8, 2 text-figs.; Berlin (Georg Reimer), May 1913. [Antarctic solenogasters.]
- \*1913e. **Mollusca. Solenogastres.** [In:] Schulze, F.E. (ed.): Das Tierreich. Eine Zusammenstellung und Kennzeichnung der rezenten Tierformen, 38: x + 57 pp., 28 text-figs.; Berlin (R. Friedländer & Sohn), June 1913; reprinted by Verlag von J. Cramer, Weinheim, 1966.
- \*1913f. **Familia Fissurellidae.** Systematisches Conchylien-Cabinet von Martini und Chemnitz (Küster, H.C. & W. Kobelt, eds.), 2/4a(568): 37-68, pls. 5-8; Nürnberg (Bauer & Raspe), 1913 (dates imprinted on individual sheets: 11-30 September). [continued in 1915b, 1916b and 1919]
- 1913g. **Scaphopoda.** Handwörterbuch der Naturwissenschaften, 8: 832-835, 3 text-figs.; Jena (Gustav Fischer), 1913.
1914. **Südafrikanische Schnecken.** Deutsche Südpolar-Expedition 1901-1903, 16 (Zool., 8)(1): 97-100, 2 text-figs.; Berlin (Georg Reimer), November 1914. [South African snails.]
- \*1915a. **Eulima capensis n. sp.** [In:] Clark, A. H.: Die Crinoiden der Antarktis. Deutsche Südpolar-Expedition 1901-1903, 16 (Zool., 8)(2): 165, 1 text-fig.; Berlin (Georg Reimer), April 1915.
- \*1915b. **Familia Fissurellidae.** Systematisches Conchylien-Cabinet von Martini und Chemnitz (Küster, H.C. & W. Kobelt, eds.), 2/4a(577): 69-104, pls. 9-12; Nürnberg (Bauer & Raspe), 1915 (dates imprinted on individual sheets: 3-19 May). [continued from 1913f; continued in 1916b and 1919]

- 1915c. **Molluscoidea. Mollusca.** [In:] Apstein, C.: Nomina conservanda. Unter Mitwirkung zahlreicher Spezialisten. Sitzungsberichte der Gesellschaft Naturforschender Freunde zu Berlin, 1915(5): 180-184; Berlin, May 1915.
- \*1916a. **Bemerkungen über die Systematik der achtarmigen Cephalopoden.** Zoologischer Anzeiger, 48(1): 3-4; Leipzig, 19 September 1916. [Remarks on the systematics of the eight-armed cephalopods.]
- \*1916b. **Familia Fissurellidae.** Systematisches Conchylien-Cabinet von Martini und Chemnitz (Küster, H.C. & W. Kobelt, eds.), 2/4a(578): 105-144, pls. 13-16; Nürnberg (Bauer & Raspe), 1916 ("1917" on title page; dates imprinted on individual sheets: 28 October - 30 November 1916). [continued from 1913f and 1915b; continued in 1919]
- \*1917a. **Bemerkungen über das "Tierreich" und den Nomenclator Generum Animalium.** Nachrichtenblatt der Deutschen Malakozoologischen Gesellschaft, 49(1): 19-24; Frankfurt am Main, 2 January 1917. [Remarks on the "Animal Kingdom" and the Nomenclator Generum Animalium.]
- \*1917b. **Marine und litorale Mollusken von Madagascar, den Comoren und Ostafrika (Sammlung Voeltzkow 1903-05).** [In:] Voeltzkow, A.: Reise in Ostafrika in den Jahren 1903-1905. Wissenschaftliche Ergebnisse. Band III. Systematische Arbeiten, 5: 561-564; Stuttgart (E. Schweizerbart'sche Verlagsbuchhandlung), 1917. [Marine and littoral mollusks of Madagascar, the Comores and East Africa (collection Voeltzkow 1903-05).]
- \*1918. **Familia Limidae.** Systematisches Conchylien-Cabinet von Martini und Chemnitz (Küster, H.C., W. Kobelt & F. Haas, eds.), 7/2a(579): 1-24, pls. 1-5; Nürnberg (Bauer & Raspe), 1918 (dates imprinted on individual sheets: 10-19 July). [continued in 1920a]
- \*1919. **Familia Fissurellidae.** Systematisches Conchylien-Cabinet von Martini und Chemnitz (Küster, H. C., W. Kobelt & F. Haas, eds.), 2/4a(580): 145-168 [ends in the middle of a sentence], pls. 17-20; Nürnberg (Bauer & Raspe), 1919 (dates imprinted on individual sheets: 18-24 May). [continued from 1913f, 1915b, and 1916b]

- \*1920a. **Familia Limidae.** Systematisches Conchylien-Cabinet von Martini und Chemnitz (Küster, H.C., W. Kobelt & F. Haas, eds.), 7/2a(583): 25-66, pls. 6-10; Nürnberg (Bauer & Raspe), 1920 (dates imprinted on individual sheets: 1 September 1919-19 June 1920). [continued from 1918]
- \*1920b. **Die Cephalopoden der deutschen Südpolar-Expedition 1901-1903.** Deutsche Südpolar-Expedition 1901-1903, 16 (Zool., 8)(4): 433-465, pls. 52-55; Berlin and Leipzig (Vereinigung wissenschaftlicher Verleger), December 1920. [The cephalopods of the German South Polar Expedition of 1901-1903.]
- 1921a. **Ueber die Radula und systematische Stellung von *Nautilus clymene* (Shuttl.).** Archiv für Molluskenkunde, 53(1/2): 111-112; Frankfurt am Main, 12 April 1921. [On the radula and the systematic position of *Nautilus clymene* (Shuttl.).]
- \*1921b. **Zur Systematik der Mollusken.** Archiv für Molluskenkunde, 53(3): 140-163, pl. 4; Frankfurt am Main, 12 July 1921. [On the systematics of mollusks.]
1922. **Über die Verwandtschaftsbeziehungen einiger ungegliederter Tiergruppen.** Zoologischer Anzeiger, 54(5/6): 140-144; Leipzig, 14 February 1922. [On the phyletic interrelationships of several unsegmented animal groups.]
- \*1923. **Über die Gattung *Philobrya* und das sogenannte Buccalnervensystem von Muscheln.** Zoologischer Anzeiger, 55(11/13): 287-292; Leipzig, 16 January 1923. [On the genus *Philobrya* and the so-called buccal nervous system of bivalves.]
- \*1924a. **Revision des Systems der Trochacea.** Mitteilungen aus dem Zoologischen Museum in Berlin, 11(1): 49-72, 1 pl.; Berlin, February 1924 (frequently cited as of 1921, even by Thiele; manuscript was submitted in 1921). [Revision of the systematics of the Trochacea.]
- \*1924b. **Ueber die Systematik der Columbellen.** Archiv für Molluskenkunde, 56(5): 200-210, pl. 9; Frankfurt am Main, 15 October 1924. [On the systematics of columbellids.]
- 1925a. **Ueber *Diala leithii* Edg. Smith.** Archiv für Molluskenkunde, 57(3): 111-112; Frankfurt am Main, 7 May 1925. [On *Diala leithii* Edg. Smith.]



- \*1925b. **Gastropoda der Deutschen Tiefsee-Expedition. II. Teil.** Wissenschaftliche Ergebnisse der deutschen Tiefsee-Expedition auf dem Dampfer "Valdivia" 1898-1899, 17(2): 35-382 [1-348], pls. 13-46 [1-34], 31 text-figs.; Jena (Gustav Fischer), 1925 (introduction signed "Februar 1925"; received by Zoologisches Museum in Berlin: 10 November). [Gastropoda of the German Deep-Sea Expedition. Part 2.]
- 1925c. **Solenogastres.** [In:] Kükenthal, W. & T. Krumbach (eds.): Handbuch der Zoologie. Eine Naturgeschichte der Stämme des Tierreiches, 5(1): 1-14, text-figs. 1-7; Berlin and Leipzig (Walter de Gruyter & Co.), 1 November 1925.
- 1925d. **Mollusca = Weichtiere.** [In:] Kükenthal, W. & T. Krumbach (eds.): Handbuch der Zoologie. Eine Naturgeschichte der Stämme des Tierreiches, 5(1): 15-96, text-figs. 8-109; Berlin and Leipzig (Walter de Gruyter & Co.), 1 November 1925. [continued in 1926a,b]
- 1926a. **Mollusca = Weichtiere.** [In:] Kükenthal, W. & T. Krumbach (eds.): Handbuch der Zoologie. Eine Naturgeschichte der Stämme des Tierreiches, 5(2): 97-176, text-figs. 110-269; Berlin and Leipzig (Walter de Gruyter), 20 February 1926. [continued from 1925d; continued in 1926b]
- 1926b. **Mollusca = Weichtiere.** [In:] Kükenthal, W. & T. Krumbach (eds.): Handbuch der Zoologie. Eine Naturgeschichte der Stämme des Tierreiches, 5(3): 177-256, text-figs. 270-340; Berlin and Leipzig (Walter de Gruyter), 30 June 1926. [continued from 1925d and 1926a]
- \*1927a. **Über die Schneckenfamilie Assimineidae.** Zoologische Jahrbücher, Abteilung für Systematik, Ökologie und Geographie der Tiere, 53(1/3): 113-146, pl. 1, 13 text-figs.; Jena, 17 February 1927. [On the gastropod family Assimineidae.]
- 1927b. **Ueber die Gattung Ceratodiscus.** Archiv für Molluskenkunde, 59(2): 155-157, pl. 9; Frankfurt am Main, 1 March 1927. [On the genus *Ceratodiscus*.]

- \*1927c. **Über einige brasilianische Landschnecken.** Abhandlungen herausgegeben von der Senckenbergischen Naturforschenden Gesellschaft, 40(3) (Ergebnisse einer zoologischen Forschungsreise in Brasilien 1913-1914 von Prof. Dr. E. Breslau, 1. Teil): 305-329, pl. 26, 7 text-figs.; Frankfurt am Main, 30 December 1927. [On a few Brazilian land snails.]
- \*1928a. **Mollusken vom Bismarck-Archipel, von Neu-Guinea und Nachbar-Inseln.** Zoologische Jahrbücher, Abteilung für Systematik, Ökologie und Geographie der Tiere, 55(1-3): 119-146, pl. 5, 1 text-fig.; Jena, 25 April 1928. [Mollusks from the Bismarck Archipelago, New Guinea, and neighboring islands.]
- \*1928b. **Arktische Loricaten, Gastropoden, Scaphopoden und Bivalven.** Fauna Arctica. Eine Zusammenstellung der arktischen Tierformen, mit besonderer Berücksichtigung des Spitzbergen-Gebietes auf Grund der Ergebnisse der Deutschen Expedition in das Nördliche Eismeer im Jahre 1898, 5(2): 561-632, pl. 10; Jena (Gustav Fischer), 3 August 1928. [Arctic loricates, gastropods, scaphopods and bivalves.]
- \*1928c. **Revision des Systems der Hydrobiiden und Melaniiden.** Zoologische Jahrbücher, Abteilung für Systematik, Ökologie und Zoogeographie der Tiere, 55(5-6): 351-402, pl. 8, 63 text-figs.; Jena, 12 September 1928. [Revision of the systematics of hydrobiids and melaniids].
- 1928d. **Über ptenoglosse Schnecken.** Zeitschrift für wissenschaftliche Zoologie, 132 (Korschelt-Festband): 73-94, 11 text-figs.; Leipzig, September 1928. [On ptenoglossate snails].
- \*1929. **Handbuch der systematischen Weichtierkunde.** Vol. 1(1) [Loricata; Gastropoda: Prosobranchia]: 1-376, 470 text-figs.; Jena (Gustav Fischer) ("1931" on title page of hard-cover edition; published after 4 September 1929 teste Thiele, 1931c, p. 739; received by Zoologisches Museum in Berlin: 21 October 1929). Reprinted by A. Asher & Co., Amsterdam, 1963. [Handbook of systematic malacology. English language translation by Bieler, R. & P. M. Mikkelsen (eds.), Smithsonian Institution Libraries & National Science Foundation, Amerind Publishing Co., New Delhi, in press.] [continued in 1931c, 1934 and 1935]

- \*1930. **Gastropoda und Bivalvia.** [In:] Michaelsen, W. & R. Hartmeyer (eds.): Die Fauna Südwest-Australiens. Ergebnisse der Hamburger südwest-australischen Forschungsreise 1905, 5(8): 561-596, pl. 4, 1 text-fig.; Jena (Gustav Fischer), 1930. [Gastropoda and Bivalvia . . . The fauna of southwest Australia].
- \*1931a. **Ueber einige hauptsächlich afrikanische Landschnecken.** Sitzungsberichte der Gesellschaft Naturforschender Freunde zu Berlin, 1930: 392-403, 1 pl., 7 text-figs.; Berlin, 1 March 1931. [On a few, principally African land snails.]
- \*1931b. Thiele, J. & S. Jaekel: **Muscheln der Deutschen Tiefsee-Expedition.** Wissenschaftliche Ergebnisse der deutschen Tiefsee-Expedition auf dem Dampfer "Valdivia" 1898-1899, 21(1): 159-268 [1-110], pls. 6-10 [1-5]; Jena (Gustav Fischer), 1931 (received by Zoologisches Museum in Berlin: 14 July 1931). [Bivalves of the German Deep-Sea Expedition.]
- \*1931c. **Handbuch der systematischen Weichtierkunde.** Vol. 1(2) [Gastropoda: Opisthobranchia and Pulmonata; additions; index for parts 1 and 2]: 377-778, 313 text-figs.; Jena (Gustav Fischer), 1931 (received by Zoologisches Museum in Berlin: 31 October 1931). Reprinted by A. Asher & Co, Amsterdam, 1963. [Handbook of systematic malacology.] [continued from 1929; continued in 1934 and 1935]
- 1931d. **Bivalvia.** Handwörterbuch der Naturwissenschaften. Zweite Auflage [2nd ed.], 1: 996-1010, 18 text-figs.; Jena (Gustav Fischer), 1931 (received by Zoologisches Museum in Berlin: 15 January 1932).
- \*1932a. **Das *Gonaxis*-Problem.** Archiv für Molluskenkunde, 64(1): 11-12; Frankfurt am Main, 1 January 1932. [The *Gonaxis* problem.]
- 1932b. **Loricata.** Handwörterbuch der Naturwissenschaften. Zweite Auflage [2nd ed.], 6: 550-552, 3 text-figs.; Jena (Gustav Fischer), 1932 (received by Zoologisches Museum in Berlin: 15 January 1932).
- 1932c. **Die Solenogastres des arktischen Gebietes.** Fauna Arctica. Eine Zusammenstellung der arktischen Tierformen, mit besonderer Berücksichtigung des Spitzbergen-Gebietes auf Grund der Deutschen Expedition in das Nördliche Eismeer im Jahre 1898, 6(4): 379-382; Jena (Gustav Fischer), 18 October 1932. [The Solenogastres of the arctic region.]

- 1932d. **Mollusca.** Handwörterbuch der Naturwissenschaften, Zweite Auflage [2nd ed.], 6: 1079-1083, 2 textfigs; Jena (Gustav Fischer), 1932.
- 1933a. **Scaphopoda.** Handwörterbuch der Naturwissenschaften. Zweite Auflage [2nd ed.], 8: 997-999, 2 text-figs.; Jena (Gustav Fischer), 1933 (before November, listed as "ausgegeben bis Oktober" in Vol. 9).
- 1933b. **Solenogastres.** Handwörterbuch der Naturwissenschaften. Zweite Auflage [2nd ed.], 9: 144-146, 2 text-figs.; Jena (Gustav Fischer), 1933 (received by Zoologisches Museum in Berlin: 15 November 1933).
- \*1933c. **Die von Oskar Neumann in Abessinien gesammelten und einige andere afrikanische Landschnecken.** Sitzungsberichte der Gesellschaft Naturforschender Freunde zu Berlin, 1933(4-7): 280-323, pls. 1-2, 13 text-figs.; Berlin, 30 December 1933. [On a few African land snails, including those collected by Oskar Neumann in Abyssinia.]
- \*1934. **Handbuch der systematischen Weichtierkunde.** Vol. 2(3) [Scaphopoda; Bivalvia; Cephalopoda; additions and corrections for parts 1 and 2; index for part 3]: 779-1022, 110 text-figs.; Jena (Gustav Fischer), 1934 ("1935" on title page of hard-cover edition; received by Zoologisches Museum in Berlin: 19 January 1934). Reprinted by A. Asher & Co., Amsterdam, 1963. [Handbook of systematic malacology.] [continued from 1929 and 1931c; continued in 1935]
- \*1935. **Handbuch der systematischen Weichtierkunde.** Vol. 2(4) [general part; corrections for parts 1-3]: i-iv, 1023-1154, 4 text-figs., pp. i-vi for vol. 1 (1929-1931), unnumbered divider pages for parts 1-4; Jena (Gustav Fischer), 1935 (received by Zoologisches Museum in Berlin: 27 March 1935). Reprinted by A. Asher & Co., Amsterdam, 1963. [Handbook of systematic malacology. Partial English language translation of pp. 1099-1110 by Jacobson, 1953.] [continued from 1929, 1931c, and 1934]
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**B. Publications on Crustacea**

- \*1900a. **Diagnosen neuer Arguliden-Arten.** Zoologischer Anzeiger, 23(606): 46-48; Leipzig, 22 January 1900. [Diagnoses of new argulid species.] Review: Journal of the Royal Microscopical Society, London for 1900: 201 (English).
- \*1900b. **Ueber einige Phyllopoden aus Deutsch Ost-Afrika.** Zoologische Jahrbücher, Abtheilung für Systematik, Geographie und Biologie der Thiere, 13(6): 563-578, pls. 37-38; Jena, 10 October 1900. [On a few phyllopods from German East-Africa.]
- \*1904a. **Ueber eine von Herrn O. Neumann gefundene Phyllopoden-Art.** Zoologische Jahrbücher, Abtheilung für Systematik, Geographie und Biologie der Thiere, 20(4): 371-374, pl. 13; Jena, 23 June 1904. [On a phyllopod species found by Mr. O. Neumann.]
- \*1904b. **Beiträge zur Morphologie der Arguliden.** Mitteilungen aus dem Zoologischen Museum in Berlin, 2(4): 1-51, pls. 6-9; Berlin, 22 December 1904. [Contributions to the morphology of argulids.]
- \*1904c. **Die Leptostraken.** Wissenschaftliche Ergebnisse der deutschen Tiefsee-Expedition auf dem Dampfer "Valdivia" 1898-1899, 8(1): 1-26, pls. 1-4; Jena (Gustav Fischer), 1904. [The leptostracans.] Review: Zoologischer Jahresbericht (Berlin) für 1905 (Arthropoda): 19, 35 (German).
- \*1905a. **Über die Leptostraken der Deutschen Südpolar-Expedition 1901-1903.** Deutsche Südpolar-Expedition 1901-1903, 9 (Zool. 1)(1): 59-68, pl. 2, 1 map; Berlin (Georg Reimer), June 1905. [On the leptostracans of the German South Polar Expedition of 1901-1903.]
- 1905b. **Betrachtungen über die Phylogenie der Crustaceenbeine.** Zeitschrift für wissenschaftliche Zoologie, 82: 445-471, pls. 26-27, 1 text-fig.; Leipzig, 10 November 1905. [Considerations on the phylogeny of the legs of crustaceans.] Review: Zoologischer Jahresbericht (Berlin) für 1905 (1906) (Arthropoda): 19, 24 (German).



- 1905c. **Über einige stieläugige Krebse von Messina.** Zoologische Jahrbücher, Supplement 8 (Festschrift Möbius): 443-474, pls. 14-16; Jena, 1905. [On a few stalk-eyed crabs from Messina.] Review: Zoologischer Jahresbericht (Berlin) für 1905 (Arthropoda): 19, 36, 38 (German).
- \*1907a. **Einige neue Phyllopoden-Arten des Berliner Museums.** Sitzungsberichte der Gesellschaft Naturforschender Freunde zu Berlin, 1907(9): 288-297, pls. 1-2; Berlin, November 1907. [A few new phyllopod species in the Berlin Museum.]
- 1907b. **Crustacea. IV. - Leptostraca.** National Antarctic Expedition. 1901-1904. Natural History. Vol. III, Zoology and Botany (Invertebrata: Marine Algae, Musci). 2 pp., 2 figs.; London (British Museum [Natural History]), 1907.
1926. **Leptostraca.** [In:] Grimpe, G. & E. Wagler. Die Tierwelt der Nord- und Ostsee. Lieferung VII, Teil X-g<sub>1</sub>, pp. 1-8, figs. 1-6; Leipzig (Akademische Verlagsgesellschaft), 1926 ("1927" on title page, p. 8 stating: "X.g<sub>1</sub>: Oktober 1926").
- 1927a. **1. und einzige Ordnung der "Reihe Phyllocarida" der Crustacea Malacostraca. 6. Ordnung der Crustacea: Leptostraca.** [In:] Kükenthal, W. & T. Krumbach. Handbuch der Zoologie. 3(1:5): 567-592, figs. 537-591; Berlin and Leipzig (Walter de Gruyter), 10 June 1927. [First and only order of the "series Phyllocarida" of the Crustacea Malacostraca. 6th order of the Crustacea: Leptostraca.]
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### C. Publications on Porifera

- \*1898. **Studien über pazifische Spongien.** Zoologica. Original-Abhandlungen aus dem Gesamtgebiete der Zoologie, 24(1): 1-72, pls. 1-8, 1 text-fig.; Stuttgart, 1898 (received by Museum of Comparative Zoology, Cambridge: 27 June). [Studies on Pacific sponges.] [continued in 1899b]
- 1899a. **Ueber *Crambe crambe* (O. Schmidt).** Archiv für Naturgeschichte, 65(1.1): 87-94, pl. 7; Berlin, April 1899. [On *Crambe crambe* (O. Schmidt).] Reviews: Journal of the Royal Microscopical Society, London, for 1899: 399 (English); Zoologischer Jahresbericht (Berlin) für 1899 (Porifera): 2, 7 (German).

- \*1899b. **Studien über pazifische Spongien.** Zoologica. Original-Abhandlungen aus dem Gesamtgebiete der Zoologie, 24(2): 1-33, pls. 1-5; Stuttgart, 1899. [Studies on Pacific Ocean sponges.] Review: Zoologischer Jahresbericht (Berlin) für 1899 (1900) (Porifera): 2, 7 (German). [continued from 1898]
- \*1900. **Kieselschwämme von Ternate. I.** [In:] Kükenthal, W.: Ergebnisse einer zoologischen Forschungsreise in den Molukken und Borneo. Zweiter Teil: Wissenschaftliche Reiseergebnisse. Band III. Abhandlungen herausgegeben von der Senckenbergischen Naturforschenden Gesellschaft, 25(1): 17-80, pls. 2-3, 1 text-fig.; Frankfurt am Main, 1900. [Siliceous sponges of Ternate. Part 1.] Review: Zoologischer Jahresbericht (Berlin) für 1900 (1901) (Porifera): 2, 6 (German).
- \*1903a. **Beschreibung einiger unzureichend bekannten monaxonen Spongien.** Archiv für Naturgeschichte, 69(1.3): 375-398, pl. 21; Berlin, August 1903. [Description of a few insufficiently known monaxonal sponges.] Review: Zoologischer Jahresbericht (Berlin) für 1903 (1904) (Porifera): 1, 5 (German).
- \*1903b. **Kieselschwämme von Ternate. II.** [In:] Kükenthal, W.: Ergebnisse einer zoologischen Forschungsreise in den Molukken und Borneo. Abhandlungen herausgegeben von der Senckenbergischen Naturforschenden Gesellschaft, 25(4): 931-968, pl. 28; Frankfurt am Main, 1903. [Siliceous sponges of Ternate. Part 2.] Review: Zoologischer Jahresbericht (Berlin) für 1903 (1904) (Porifera): 1, 5 (German).
- \*1905. **Die Kiesel- und Hornschwämme der Sammlung Plate.** Zoologische Jahrbücher, Supplement 6, Vol. 3(3) (Fauna Chilensis. Abhandlungen zur Kenntniss der Zoologie Chiles nach den Sammlungen von Dr. L. Plate): 407-496, pls. 27-33; Jena, 16 June 1905. [The silicious and corneous sponges of the Plate collection.] Review: Zoologischer Jahresbericht (Berlin) für 1905 (1906) (Porifera): 1, 6 (German).
1921. **Über das System der Demospongien.** Zoologischer Anzeiger, 53(1/2): 28-30; Leipzig, 3 June 1921. [On the systematics of demospongeans.]
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**D. Miscellaneous zoological publications**

1887. **Der Haftapparat der Batrachierlarven.** Zeitschrift für wissenschaftliche Zoologie, **46**(1): 67-79, pl. 10, 1 text-fig.; Leipzig, 25 November 1887. [The adhesive apparatus of batrachian larvae.] Review: Zoologischer Jahresbericht (Berlin) für 1887 (1888) (Vertebrata): 31, 87 (French).
1893. **Die primitivsten Metazoen.** Sitzungsberichte und Abhandlungen der Naturwissenschaftlichen Gesellschaft Isis in Dresden, **1892** (Jul.-Dec.): 54-57; Dresden, 1893 (received by the Museum of Comparative Zoology, Cambridge: 8 June 1893). [The most primitive metazoans.]
1905. [Diskussion in:] Ziegler, H.E.: Das Ectoderm der Plathelminthes. Verhandlungen der Deutschen Zoologischen Gesellschaft auf der fünfzehnten Jahreshauptversammlung zu Breslau, den 13. bis 16. Juni 1905, **15**: 35-41, 4 text-figs.; Leipzig, 1905 [Discussion by Korschelt, Schulze, Spengel, Woltereck and Thiele, pp. 41-42. The ectoderm of Platyhelminthes.]
1909. **Brachiopoda für 1906.** Archiv für Naturgeschichte, **73**(2.3) (1907): 2 pp.; Berlin, September 1909. [(Literature on) Brachiopoda in 1906.]
- 1910a. **Brachiopoda für 1907.** Archiv für Naturgeschichte, **74**(2.3) (1908): 1 p.; Berlin, January 1910. [(Literature on) Brachiopoda in 1907.]
- 1910b. **Brachiopoden für 1908.** Archiv für Naturgeschichte, **75**(2.3) (1909): 1 p.; Berlin, September 1910. [(Literature on) brachiopods in 1908.]

## SECONDARY BIBLIOGRAPHY

- Bürk, R. & J. H. Jungbluth. 1985. 140 Jahre Molluskenkunde im deutschsprachigen Raum, 1844-1984. Ungarisches Naturwissenschaftliches Museum, Budapest, 348 pp.
- Buschmeyer, H. 1938. 70 Jahre Molluskenkunde (1869-1938). Senckenbergbuch 13. Senckenbergische Naturforschende Gesellschaft, Frankfurt am Main, 108 pp.
- Clench, W. J. 1952. Dates of publication of Johannes Thiele: Handbuch der Systematischen Weichtierkunde, Jena, Germany. The Nautilus, 66(1): 33.
- [ICZN] International Commission on Zoological Nomenclature. 1985. International code of zoological nomenclature. Third edition. International Trust for Zoological Nomenclature, etc., London, xx + 338 pp.
- Jacobson, M. K. 1953. The phyletic development of the Pulmonata after Johannes Thiele. Translated from the German. Circulares del Museo y Biblioteca de Malacologia de la Habana, Dic. 1953: 973-984.
- Johnson, R. I. 1968. Martini and Chemnitz (Kuester's edition) *Systematisches Conchylien-Cabinet*, 1837-1920, a complete collation. Journal of the Society for the Bibliography of Natural History, 4(7): 363-367.
- Kiss, É. 1985. Malakológiai Évfordulók. Malakologische Jubiläen, 1985. Soosiana, Budapest, 13: 35-38.
- Lamy, E. 1938. Nécrologie. J. Thiele (1860-1935). Journal de Conchyliologie, 82(3): 259-260.
- Rensch, B. 1930. Johannes Thiele zum 70. Geburtstag. Archiv für Molluskenkunde, 62(6) [Festnummer zum 70. Geburtstag von Johannes Thiele]: 201-209, pl. 11.
- Robertson, R. 1957. Publication dates of Troschel's "Das Gebiss der Schnecken". The Nautilus, 70(4): 136-138.
- Scheele, M. & G. Natalis. 1981. Biologie-Dokumentation. Bibliographie der deutschen biologischen Zeitschriftenliteratur 1796-1965. Vol. 17. K. G. Saur, München, New York, London, Paris.
- Smith, E. A. & H. W. England. 1937. Martini und Chemnitz (Kuester's edition) *Systematisches Conchylien-Cabinet*, 1837-1918. Journal of the Society for the Bibliography of Natural History, 1(4): 89-99.
- Vosmaer, G. C. J. (Bidder, G. P. & C. S. Vosmaer-Röell, eds.). 1928. Bibliography of Sponges, 1551-1913. University Press, Cambridge, xii + 234 pp.
- Weaver, C. S. & J. E. duPont. 1970. The living volutes. A monograph of the Recent Volutidae of the world. Delaware Museum of Natural History Monograph Series No. 1, Greenville, xv + 375 pp. incl. 79 pls.
- Winckworth, R. 1938. Johannes Thiele, 1860-1935. Proceedings of the Malacological Society of London, 23(1): 9-11.

## ACKNOWLEDGMENTS

We are grateful to the following for providing copies of Thiele's publications and/or information concerning his life and work: Mr. Bernd von Breitenbuch (Gustav Fischer Verlag, Stuttgart), Dr. Ronald Janssen, Mr. Alan Kabat, Dr. Rudolf Kilius, Ms. Paula M. Mikkelsen, Dr. Robert Robertson, Dr. Gary Rosenberg, Dr. Klaus Rützler. Mr. L. Laszlo Meszoly kindly translated Kiss' (1985) paper from the Hungarian for us.